

# Safety Data Sheet



## Hazardous Chemical, NON-Dangerous Goods

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **Sodium bisulphate**

**Recommended use:** Chemical raw material for industrial purposes Industrial processing with a.o. use in detergents or as a pH regulator

**Supplier:** Aquapac Pty Ltd  
**ABN:** 36 114 118 311  
**Street Address:** 88 Lee Holm Road  
St Marys NSW 2760  
**Telephone:** 02 9673 1192  
**Facsimile:** 02 9673 1193

**Emergency Telephone number:** 1800 HELP

### 2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of Safe Work Australia.



#### Signal Word

Danger

#### Hazard Classification

Serious Eye Damage/Irritation - Category 1

#### Hazard Statement

H318 Causes serious eye damage.

#### Prevention Precautionary Statements

P101 Keep out of reach of children.  
P103 Read label before use.  
P280 Wear protective clothing, gloves, eye/face protection and suitable respirator.

#### Response Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTRE or doctor/physician.

#### Storage Precautionary Statement

Not allocated

#### Disposal Precautionary Statement

Not allocated

**Poison Schedule:** S5. Caution

**Product Name:** Sodium bisulphate

**Reference No:** Sodium bisulfate;  
Sodium hydrogen sulfate

**Issued:** 2019-05-23

**Version:** 2019.1

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## DANGEROUS GOOD CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

### 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Sodium bisulphate	7681-38-1	93 - 100 %
		<hr/> 100%

### 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation:** Move to fresh air. Call a physician immediately.

**Skin Contact:** Take off all contaminated clothing immediately. Wash off skin and hair with soap and water. If skin irritation persists, call a physician.

**Eye contact:** Rinse immediately and thoroughly with plenty of water for at least 15 minutes and consult a physician. Call a physician immediately.

**Ingestion:** If swallowed, Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

**PPE for First Aiders:** Wear overalls, gloves, chemical goggles, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from polyvinyl chloride (PVC) should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Notes to physician:** Treat symptomatically. Can cause corneal burns. Treat symptomatically. Show this safety data sheet to the doctor in attendance.

### 5. FIRE FIGHTING MEASURES

**Hazchem Code:** Not applicable.

**Suitable extinguishing media:** If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

**Specific hazards:** Non-combustible material.

**Fire fighting further advice:** Not applicable.

### 6. ACCIDENTAL RELEASE MEASURES

#### SMALL SPILLS

Product Name: Sodium bisulphate

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Ensure adequate ventilation. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

## LARGE SPILLS

Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Only qualified personnel equipped with suitable protective equipment may intervene.

**Dangerous Goods - Initial Emergency Response Guide No:** Not applicable

## 7. HANDLING AND STORAGE

**Handling:** Do not flush into surface water or sanitary sewer system. Comply with applicable Community environmental protection legislation.

**Storage:** Store in dry, cool, well-ventilated area. Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep away from open flames, hot surfaces and sources of ignition. Keep in original container as approved by the manufacturer.

This material is a Scheduled Poison Schedule 5 (Caution) and must be stored, maintained and used in accordance with the relevant regulations.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National occupational exposure limits:** No value assigned for this specific material by Safe Work Australia.

**Biological Limit Values:** As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

**Engineering Measures:** Natural ventilation should be adequate under normal use conditions.

**Personal Protection Equipment:** OVERALLS, GLOVES, CHEMICAL GOGGLES, RESPIRATOR.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Wear overalls, gloves, chemical goggles, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from polyvinyl chloride (PVC) should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Hygiene measures:** When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs. Wash contaminated clothing before re-use. Keep working clothes separately.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form:** Crystalline Solid  
**Colour:** White, light yellow  
**Odour:** None

**Solubility:** ca. 1080 g/L 25°C  
**Specific Gravity:** 1.4 kg/L - 1.5 kg/L

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**Melting Point/Range (°C):** 315  
**Decomposition Point (°C):** 460  
**pH:** 1.3

(Typical values only - consult specification sheet)  
N Av = Not available, N App = Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Hygroscopic.

**Conditions to avoid:** Avoid dust formation. Avoid moisture, heat. Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible materials:** Avoid moisture absorption and contamination.

**Hazardous decomposition products:** Gives off hydrogen by reaction with metals (acidic aqueous solution). Vapours may form explosive mixture with air.

**Hazardous reactions:** Additional Characteristics; Watery solution: same properties as H<sub>2</sub>SO<sub>4</sub>. Fine granules, crystals or powder. Fine substance that can cause the irritation of the airways, with coughing and the contraction of the airways. In contact with water the product forms sulphuric acid that can cause burns.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

**Inhalation:** Inhalation: May cause irritation of respiratory tract. Inhalation may provoke the following symptoms: Shortness of breath, cough, dry/sore throat.

**Skin contact:** Skin contact: May be irritating. Skin contact may provoke the following symptoms: Redness, pain, blisters.

**Ingestion:** Ingestion: Ingestion may cause irritation to mucous membranes. Ingestion may provoke the following symptoms: Abdominal pain, burning sensation.

**Eye contact:** Eye contact: Causes serious eye damage. Eye contact may provoke the following symptoms: Redness, pain. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

### Acute toxicity

**Inhalation:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): LC<sub>50</sub> > 5 mg/L

LC<sub>50</sub> (Rat): >2,400 mg/m<sup>3</sup> Sodium sulphate

**Skin contact:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

**Ingestion:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

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LD50 (Rat): 2,140 mg/kg sulfuric acid

**Corrosion/Irritancy:** Eye: this material has been classified as a Category 1 Hazard (irreversible effects to eyes). Skin: this material has been classified as not corrosive or irritating to skin.

**Sensitisation:** Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

**Aspiration hazard:** This material has been classified as non-hazardous.

**Specific target organ toxicity (single exposure):** This material has been classified as non-hazardous.

## Chronic Toxicity

**Mutagenicity:** This material has been classified as non-hazardous.

**Carcinogenicity:** This material has been classified as non-hazardous.

**Reproductive toxicity (including via lactation):** This material has been classified as non-hazardous.

**Specific target organ toxicity (repeat exposure):** This material has been classified as non-hazardous.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

**Acute aquatic hazard:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

**Long-term aquatic hazard:** This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log  $K_{ow}$  < 4.

**Ecotoxicity:** Component: Sodium hydrogensulphate (7681-38-1): Toxic to aquatic organisms. LC50/96h/fish: 7960 mg/IEC50/48h/daphnia: 1766 mg/ILC50/72h/algae: 1900 mg/l

**Persistence and degradability:** Hydrolysis in water.

**Bioaccumulative potential:** Low potential. Partition coefficient: n-octanol/water: -2,2 (KOWWIN)

**Mobility:** Mobile in soil. May leach to groundwater. Highly mobile in soils.

## 13. DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with all local, state and federal regulations. Collect and dispose of waste product at an authorized disposal facility. Prevent product from entering drains.

## 14. TRANSPORT INFORMATION

### ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

### MARINE TRANSPORT

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Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

## AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

## 15. REGULATORY INFORMATION

### This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)  
The Stockholm Convention (Persistent Organic Pollutants)  
The Rotterdam Convention (Prior Informed Consent)  
Basel Convention (Hazardous Waste)  
International Convention for the Prevention of Pollution from Ships (MARPOL)

### This material/constituent(s) is covered by the following requirements:

- The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth).

## 16. OTHER INFORMATION

Reason for issue: First Issue

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.